

CLAIMS

What is claimed is:

1. A crystalline emulsion for use in microdermabrasion comprising crystals coated with methicone and a carrier.

5 2. The crystalline emulsion of claim 1, wherein a covalent bond is formed between the crystals and the methicone.

3. The crystalline emulsion of claim 1, wherein the crystals are selected from a group consisting of magnesium oxide crystals, aluminum oxide crystals or a combination of thereof.

10 4. The crystalline emulsion of claim 1, wherein the crystals are a particle size of 40-2000 microns.

5. The crystalline emulsion of claim 1, wherein the carrier is selected from a group consisting of a gel, lotion, thick solution, cream, paste, wax or any combination thereof.

15 6. The crystalline emulsion of claim 1, wherein the coated crystal to carrier ratio is 1 to 2.

7. The crystalline emulsion of claim 1, wherein the emulsion further comprises vitamin C, vitamin E, herbal extracts, perfumes, thickeners, surfactants, moisturizers or combinations thereof.

8. A method for producing the crystalline emulsion of claim 1 comprising the steps

5 of:

- (a) mixing crystals, methicone and a catalyst to form a slurry;
- (b) baking the slurry at a temperature in the range of 150°F - 450°F until the coated crystals are dry; and
- (c) mixing the coated crystals with a carrier.

9. The method of claim 8, wherein the methicone to crystal weight/weight percentage is 0.01 – 10.0%.

10. The method of claim 8, wherein the catalyst to crystal-methicone weight/ weight percentage is 0.001 – 10.0%.

11. The method of claim 8, wherein the catalyst is ammonia or live steam.

12. The method of claim 8, wherein the crystals are selected from a group consisting of magnesium oxide crystals, aluminum oxide crystals or a combination of thereof.

13. The method of claim 8, wherein the carrier is selected from a group consisting of a gel, lotion, thick solution, cream, paste, wax or any combination thereof.

14. A crystalline emulsion comprising magnesium oxide crystals coated with methicone, wherein a covalent bond is formed between the methicone and the crystals, and a gel.

15. The crystalline emulsion of claim 14, wherein the magnesium oxide crystals are between 600-800 microns in size.

5 16. The crystalline emulsion of claim 14, wherein the methicone to crystal weight/weight percentage is 1-2%.

17. The crystalline emulsion of claim 14, wherein the coated crystal to gel ratio is 1 to 2.

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